

CLAIM AMENDMENTS

Please replace all prior versions of the claims with the following listing of the revised claims.

1. (currently amended) A catheter, comprising:
[[An]] an elongate flexible catheter tip disposed at a distal end of the catheter comprising:
a longitudinal axis extending between a proximal tip end and a distal tip end; and
a longitudinally compressible corrugated region located between the proximal tip end and the distal tip end, a wall thickness of the corrugated region being substantially the same as a wall thickness of the proximal and distal tip ends.
2. (currently amended) The catheter ~~elongate flexible tip~~ of claim 1, wherein the elongate flexible tip comprises a tube member that defines a lumen.
3. (currently amended) The catheter ~~elongate flexible tip~~ of claim 1, further comprising a lumen extending longitudinally throughout the elongate flexible tip body.
4. (currently amended) The catheter ~~elongate flexible tip~~ of claim 1, further comprising a rounded distal end.
5. (currently amended) The catheter ~~An elongate flexible catheter tip~~ according to claims 1, 2, 3 or 4, wherein the proximal tip end is adjacently attached to an inner distal end of a dilation catheter, the dilation catheter comprising:
an elongate outer body comprising a longitudinal axis extending between an outer proximal end and an outer distal end;
an elongate inner body, comprising: a proximal region located within the outer body and extending between the outer proximal end and the outer distal

end, a distal region extending past the outer distal end and comprising the inner distal end, and an inner lumen contained within the inner body;

an outer lumen defined by the outer body and the inner body; and

a balloon comprising: a proximal balloon leg attached to the outer distal end, a distal balloon leg attached to a distal end of the dilation catheter,

and a balloon cavity defined by the proximal balloon leg and the distal balloon leg and in fluid communication with the outer lumen.

6. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:

the proximal tip end is attached to the inner distal end at a tip- end attachment;

the distal balloon leg is attached across the tip-end attachment; and
the distal tip end comprises a rounded distal end.

7. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:

the proximal tip end is attached to the inner distal end at a tip-end attachment;

the distal balloon leg is attached to the distal region, proximal to the tip-end attachment; and

the distal tip end comprises a rounded distal end.

8. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:

the elongate inner body comprises a braided coil reinforcing the elongate inner body;

the inner distal end is integral with the elongate flexible tip;

the distal balloon leg is attached to the distal region, proximal to the corrugated region; and

the distal tip end comprises a rounded distal end.

9. (currently amended) The ~~elongate flexible~~ catheter tip of claim 8, wherein:

the braided coil is of uniform tightness, throughout the elongate inner body.

10. (currently amended) The ~~elongate flexible~~ catheter tip of claim 8, wherein:
the braided coil is of varying tightness throughout the elongate inner body.
11. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:
the distal balloon leg is attached to the inner distal end, providing a distal bonding region, wherein the distal bonding region has a distal face circumscribing the inner distal end;
the proximal tip end is attached to the distal face; and
the distal tip end comprises a rounded distal end.
12. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:
the distal balloon leg is attached to the distal region;
the elongate inner body comprises an inner material and an outer material, wherein: the outer material has a lower durometer than the inner material₁[[;]] the outer material extends distally beyond the inner material and is integral with the tip₁[[;]] the distal tip end comprises a rounded distal end.
13. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:
the distal balloon leg is attached to the distal region, such that the distal region extends beyond the balloon leg, comprising an external mounting shoulder;
the flexible tip is attached to the external mounting shoulder; and
the distal tip end comprises a rounded distal end.
14. (currently amended) The ~~elongate flexible~~ catheter tip of claim 5, wherein:
the distal balloon leg is attached adjacent to the inner distal end and the proximal end of the flexible tip.

15. (currently amended) The ~~elongate flexible catheter tip~~ of claim 1, wherein a tip lumen is defined by the elongate flexible catheter tip, the tip lumen being aligned with a wire guide lumen and the proximal tip end is adjacently attached to a distal body end of a dilation catheter, the dilation catheter comprising:

a longitudinal axis extending between a proximal body end and the distal body end;

an inflation lumen and the wire guide lumen, wherein the inflation lumen and the wire guide lumen are parallel and are defined by the elongate body;

an intermediate region positioned between the proximal body end and the distal body end; and

a balloon comprising: a proximal balloon leg attached to the intermediate region, a distal balloon leg adjacently attached to the distal body end and a balloon cavity defined by the proximal balloon leg and the distal balloon leg, and in fluid communication with the inflation lumen.

16. (currently amended) The catheter ~~An elongate flexible catheter tip~~ according to claims 1, 2, 3 or 4, wherein the elongate flexible tip comprises a material selected from the group consisting of nylon, polyether-block co-polyamide polymers, polyethylene, polyvinyl chloride, polystyrene, silicon co-polymer, polyolefin, polyurethane and combinations thereof.

17. (currently amended) The ~~elongate flexible catheter tip~~ of claim 15, wherein:

the proximal tip end is adjacently attached to the distal body end forming a tip-end attachment;

the distal balloon leg is adjacently attached to the distal body end, the proximal tip end, and the tip-end attachment; and

the distal tip end is integral with a rounded distal end.

18. (currently amended) The ~~elongate flexible catheter tip~~ of claim 15, wherein:

the proximal tip end is adjacently attached to the distal body end forming a tip-end attachment;

the distal balloon leg is adjacently attached to the distal body end; and
the distal tip end is integral with a rounded distal end.

19. (currently amended) The ~~elongate flexible catheter tip~~ of claim 15, wherein:
the distal balloon leg is adjacently attached to the distal body end, forming a distal bonding region, wherein the distal bonding region has a distal face that circumscribes the wire guide lumen;
the proximal tip end is adjacently attached to the distal body end and the distal balloon leg via the distal face; and
the distal tip end is integral with a rounded distal end.
20. (currently amended) The ~~elongate flexible catheter tip~~ of claim 15, wherein:
the distal balloon leg is adjacently attached to the distal body end, forming an external mounting shoulder;
the proximal tip end is adjacently attached to distal body end and the distal balloon leg via the external mounting shoulder; and
the distal tip end comprises a rounded distal end.
21. (currently amended) The ~~elongate flexible catheter tip~~ of claim 15, wherein:
the distal balloon leg is adjacently attached to the distal body end and the proximal tip end.
22. (currently amended) The catheter An ~~elongate flexible catheter tip~~ as in claims 1, 2, 3, or 4, wherein the corrugated region comprises an accordion corrugation.
23. (currently amended) The ~~elongate flexible catheter tip~~ of claim 22, wherein the corrugated region further comprises a plurality of ridges interspersed with a plurality of grooves.
24. (currently amended) The ~~elongate flexible catheter tip~~ of claim 22, wherein the corrugated region further comprises a plurality of grooves.

25. (currently amended) The ~~elongate-flexible catheter tip~~ of claim 22, wherein the corrugated region further comprises a plurality of ridges.

26. (canceled).

27. (currently amended) The ~~elongate-flexible catheter tip~~ of ~~claim 26~~ claim 23, wherein the ridges have an outer diameter that is greater than an outer diameter of the proximal and distal tip ends ~~tube member~~ and the grooves have an inner diameter that is smaller than an inner diameter of the tube member.

28. (currently amended) The ~~elongate-flexible catheter tip~~ of ~~claim 26~~ claim 23, wherein the ridges have an outer diameter that is greater than an outer diameter of the proximal and distal tip ends ~~tube member~~ and the grooves have an inner diameter that is substantially the same as an inner diameter of the proximal and distal tip ends ~~tube member~~.

29. (currently amended) The catheter ~~An elongate-flexible catheter tip~~ as in claims 1, 2, 3 or 4, wherein the corrugated region comprises a helical corrugation.